Taylor Earl

11/4/15

* TCP
  + End of options
  + No - op
  + Maximum segment size
  + Window Scale Factor
  + Timestamp
  + SACK Permitted
  + SACK
* **SCTP - Layer 4**
  + **Transport protocol**
  + Stream Control Transmission Protocol
  + Best of TCP and UDP
  + **Message Oriented**
  + **Reliable, connection oriented**
* Associations
  + Multiple streams
  + Multihoming
    - Multiple IP’s
    - Fail-over
  + TSN-Transmission
  + SSN-Stream
  + SI - Stream Identifier
* Application Layer
  + Communication paradigm
    - Client - server
      * Client - makes the request
      * Server - responds to the request
  + Peer to peer
    - Skype
    - Bit Torrent
  + Who makes the request
  + Serve multiple requests simultaniously
  + Will the programs be running
* Concurrency
  + Client
    - Multiple Processes
      * Same program
    - Multiple Connections/threads in a single program/process
  + Server
    - Multiple Services
      * Same Program
    - Multiple Connections to single process
* Python
  + def main():
    - print(“Hello World”)
  + if\_name\_==’\_main\_’:
    - main()
    - print(“Goodbye”)

Exam

Chapter 8 - 16

Similar Format

Review on Monday